| Ref<br># | Hits | Search Query  | DBs   | Default<br>Operator | Plurals | Time Stamp       |
|----------|------|---|---|---------------------|---------|------------------|
| S1       | 31   | ((liquid ADJ1 crystal ADJ1 display)<br>OR lcd) AND (uniform NEAR5<br>(common ADJ1 voltage))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2006/11/13 09:18 |
| S2       | 609  | (common ADJ1 voltage) ADJ2<br>(driver OR generator OR circuit)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2006/11/07 15:14 |
| S3       | 341  | ((liquid ADJ1 crystal ADJ1 display)<br>OR lcd) AND S2   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2006/11/07 14:59 |
| S4       | 89   | ITO AND S3  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2006/11/07 14:59 |
| S5       | 199  | ((common ADJ1 voltage) ADJ2<br>(driver OR generator OR circuit)).<br>AB.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2006/11/07 15:14 |
| S6 ,     | 128  | ((liquid ADJ1 crystal ADJ1 display)<br>OR lcd) AND S5   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2006/11/07 15:43 |
| S7       | 0    | ("2004/0085371").URPN.  | USPAT   | OR                  | ON      | 2006/11/07 15:39 |
| S8       | 17   | ((uniform OR "same") NEAR2<br>(common ADJ1 voltage)) AND S6   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2006/11/07 15:44 |
| S9       | 7    | ((liquid ADJ1 crystal) OR "liquid-crystal" OR lcd) AND (plural\$5 ADJ3 ((data OR column OR source) ADJ1 driver)) AND (((data OR column OR source) ADJ1 driver) WITH (common ADJ1 voltage ADJ2 (driver OR circuit))) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2006/11/08 16:04 |
| S10      | 2    | ((liquid ADJ1 crystal) OR<br>"liquid-crystal" OR lcd) AND<br>(plural\$5 ADJ3 (common ADJ1<br>voltage ADJ2 (driver OR circuit)))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2006/11/08 08:08 |

| S11 | 229  | ((liquid ADJ1 crystal) OR<br>"liquid-crystal" OR lcd) AND<br>(common ADJ1 voltage ADJ2<br>(driver OR circuit))               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/08 15:16 |
|-----|------|--|---|----|----|------------------|
| S12 | 6    | ((liquid ADJ1 crystal) OR<br>"liquid-crystal" OR lcd) AND (second<br>ADJ1 (common ADJ1 voltage ADJ2<br>(driver OR circuit))) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/08 08:08 |
| S13 | 344  | ((liquid ADJ1 crystal) OR<br>"liquid-crystal" OR lcd) AND<br>(common ADJ3 voltage ADJ2<br>(driver OR circuit))               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/08 08:49 |
| S14 | 2    | "20050212735".PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/08 08:29 |
| S15 | 0    | (each ADJ2 ((data OR column OR source) ADJ1 (driver OR circuit))) WITH (common ADJ3 voltage ADJ3 (circuit OR driver))        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/08 08:41 |
| S16 | 2    | "20040160400".PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/08 08:41 |
| S17 | 0    | ("2004/0160400").URPN.   | USPAT   | OR | ON | 2006/11/08 08:44 |
| S18 | 1    | "6049368".PN.  | USPAT   | OR | ON | 2006/11/08 08:45 |
| S19 | 1    | "6341003".PN.  | USPAT   | OR | ON | 2006/11/08 08:45 |
| S20 | 1    | "6392626".PN.  | USPAT   | OR | ON | 2006/11/08 08:45 |
| S21 | 2059 | (common ADJ2 voltage ADJ2<br>(circuit OR driver OR supply))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/08 08:50 |
| S22 | 481  | ((liquid ADJ1 crystal) OR<br>"liquid-crystal" OR lcd) AND S21  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/08 08:50 |
| S23 | 33   | second ADJ2 (common ADJ2<br>voltage ADJ2 (circuit OR driver OR<br>supply))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/08 09:01 |

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| S24 T | 58  | ((liquid ADJ1 crystal) OR<br>"liquid-crystal" OR lcd) AND<br>(plural\$5 ADJ2 (common ADJ2<br>voltage))                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                                    | ON | 2006/11/08 14:56 |
| S25   | 0   | ("2005/0088392").URPN.  | USPAT   | OR                                    | ON | 2006/11/08 09:09 |
| S26   |     | "20040085371".PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                                    | ON | 2006/11/08 14:10 |
| S27   | 658 | display.AB. AND (storage NEAR5 (shift ADJ1 register))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                                    | ON | 2006/11/08 14:11 |
| S28   | 193 | display.AB. AND (storage ADJ2 (shift ADJ1 register))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                                    | ON | 2006/11/08 14:12 |
| S29   | 215 | display.AB. AND (storage ADJ2 latch)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                                    | ON | 2006/11/08 14:13 |
| S30   | 58  | "345"/\$.CCLS. AND S29  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                                    | ON | 2006/11/08 14:27 |
| S31   | 455 | (common ADJ2 voltage ADJ2<br>(driver OR generator OR circuit))<br>AND ((liquid ADJ1 crystal) OR<br>"liquid-crystal" OR lcd) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                                    | ON | 2006/11/08 14:49 |
| S32   | 702 | (adjust\$5 NEAR5 (common ADJ2 voltage))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                                    | ON | 2006/11/08 14:28 |
| S33   | 82  | S31 AND S32   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                                    | ON | 2006/11/08 14:28 |
| S34   | 0   | ("2004/0164943").URPN.  | USPAT   | OR                                    | ON | 2006/11/08 14:46 |

| S35 | 0     | (common ADJ2 voltage ADJ2<br>(driver OR generator OR circuit))<br>WITH buffer WITH converter WITH<br>register | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2006/11/08 14:50 |
|-----|-------|---|---|------|----|------------------|
| S36 | 2     | (common ADJ2 voltage ADJ2<br>(driver OR generator OR circuit))<br>SAME buffer SAME converter SAME<br>register | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR . | ON | 2006/11/08 14:52 |
| S37 | 273   | 345/206.CCLS.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2006/11/08 14:52 |
| S38 | 22    | S37 AND (common ADJ3 voltage)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2006/11/08 14:56 |
| S39 | 28568 | (common ADJ3 voltage)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2006/11/08 14:56 |
| S40 | 6082  | (common ADJ3 voltage).AB.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2006/11/08 14:56 |
| S41 | 1333  | ((liquid ADJ1 crystal) OR<br>"liquid-crystal" OR lcd) AND S40   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2006/11/08 14:57 |
| S42 | 1133  | (common ADJ3 voltage) WITH converter  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2006/11/08 14:58 |
| S43 | 287   | (common ADJ3 voltage) WITH (register OR latch)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2006/11/08 14:57 |
| S44 | 43    | S42 AND S43   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2006/11/08 14:57 |

| S45 | 43  | S42 AND S44   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2006/11/08 14:57 |
|-----|-----|---|---|----|------|------------------|
| S46 |     | S41 AND S45   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2006/11/08 15:04 |
| S47 | 2   | "6236384".PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2006/11/08 15:06 |
| S48 | 2   | "20040164943".PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2006/11/08 16:03 |
| S49 | 29  | (common ADJ3 voltage) WITH conver\$5 WITH storage   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2006/11/08 15:10 |
| S50 | 6   | S49 AND "345"/\$.CCLS.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2006/11/08 15:16 |
| S51 | 493 | ((liquid ADJ1 crystal) OR<br>"liquid-crystal" OR lcd) AND<br>(common ADJ3 voltage ADJ2<br>(driver OR circuit OR generator)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2006/11/08 15:16 |
| S52 | 283 | S51 AND conver\$5   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2006/11/08 15:17 |
| S53 | 142 | S52 AND (latch OR register)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON . | 2006/11/08 15:17 |
| S54 | 423 | (stor\$5 NEAR5 (common ADJ2 voltage))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2006/11/08 16:04 |

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|-----|-------|---|---|------|----|------------------|
| S55 | 287   | ((liquid ADJ1 crystal) OR<br>"liquid-crystal" OR lcd) AND S54 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2006/11/08 16:04 |
| S56 | 116   | S55 AND conver\$5   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2006/11/08 16:04 |
| S57 | 69    | S56 AND "345"/\$.CCLS.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR . | ON | 2006/11/08 16:04 |
| S58 | 2     | "20050134556".PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2006/11/09 15:21 |
| S59 | 2     | "20050212735".PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2006/11/13 09:31 |
| S60 | 2     | "20040164943".PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2006/11/13 10:03 |
| S61 | 1     | S60 AND uniform   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2006/11/13 09:31 |
| S62 | 1     | S60 AND "same"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2006/11/13 09:37 |
| S63 | 23470 | (common WITH clock)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2006/11/13 09:38 |
| S64 | 0     | S60 AND S63   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2006/11/13 09:37 |

| S65 | 0   | S60 AND (common SAME clock)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/13 09:38 |
|-----|-----|--|---|----|----|------------------|
| S66 | 2   | "20040227895".PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/13 12:28 |
| S67 | 195 | (common ADJ2 voltage) WITH (gate ADJ1 driver)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/13 12:29 |
| S68 | 118 | S67 AND "345"/\$.CCLS.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/13 12:33 |
| S69 | 2   | (gate ADJ1 driver) NEAR3<br>(compris\$5 OR includ\$5) NEAR3<br>(common ADJ2 voltage)                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/13 12:34 |
| S70 | 109 | (gate ADJ1 driver) WITH<br>(compris\$5 OR includ\$5) WITH<br>(common ADJ2 voltage)                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/13 12:47 |
| S71 | 379 | ((gate OR scan\$5) ADJ2 (driver OR circuit OR ic)) WITH (common ADJ2 voltage)                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/13 12:48 |
| S72 | 218 | S71 AND "345"/\$.CCLS.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/13 12:47 |
| S73 | 164 | ((gate OR scan\$5) ADJ2 (driver OR circuit OR ic)) WITH (common ADJ2 voltage) WITH (includ\$5 OR compris\$5) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/13 12:49 |
| S74 | 101 | S73 AND "345"/\$.CCLS.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/13 12:48 |

| S75 | 22 | circuit OR ic)) NEAR5 (common | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT; | OR | ON | 2006/11/13 12:49 |
|-----|----|-------------------------------|--|----|----|------------------|
|     |    | (Comprise)                    | IBM_TDB                                      |    |    |                  |